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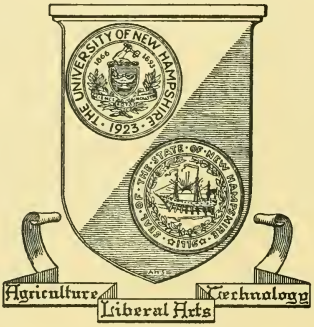

The University
of
New Hampshire

Bulletin 378 August, 1949

NEW HAMPSHIRE
AGRICULTURAL EXPERIMENT STATION

Department of Agronomy

Results of Seed Tests For 1949

Made for the
STATE DEPARTMENT OF AGRICULTURE

By BESSIE G. SANBORN

THE UNIVERSITY OF NEW HAMPSHIRE
DURHAM, N. H.

RESULTS OF SEED TESTS

Made July 1, 1948, to June 30, 1949

This report contains the results of the seed inspection work for the State Department of Agriculture of 624 official samples collected throughout the state during the period from July 1, 1948, to June 30, 1949, by Mr. George Laramie, Seed Control Supervisor, and Mr. Vincent Peterson, Inspector. In addition to these official samples, 2405 private samples were analyzed, making a total of 3029 samples inspected.

Wholesalers are listed in alphabetical order except when samples are presumed to have been carried over, in which case they are listed alphabetically by dealers. The New Hampshire seed law requires that both agricultural and vegetable seeds must be labeled with the calendar month and year when last tested for germination, and requires that this germination test shall have been completed within nine months of being offered for sale. In the following tables, if the date of test was within the prescribed nine months, the sample is marked satisfactory, "S" in this respect; if no date was given, the word "None" appears indicating a violation; if the date was a violation of the law because the test was not made within nine months, the date given on the tag or label appears in that column.

The first part of the report deals with 223 samples of agricultural seed tested for purity, germination and noxious weed content. There is a tolerance or allowable variation from the guarantee for both purity and germination, in accordance with the Rules for Seed Testing adopted by the Association of Official Seed Analysts, so that, for instance a sample of timothy guaranteed 99.20 for purity and 85% for germination could test as low as 98.25% for purity and 77% for germination and be "satisfactory." If a sample when tested for purity falls within the allowable variation, it is marked "S" (satisfactory); if below the allowable variation, and therefore a violation, the actual figure found for purity is given. The same is true for germination in the case of agricultural seeds.

The second part of the report applies to 401 samples of vegetable seeds which were tested for germination only. The New Hampshire seed law requires that unless each packet or other container is plainly marked "Below Standard" together with the percentage of germination, vegetable seeds must test up to the prescribed standard for that kind of seed, and that there is no tolerance from the adopted standards. In the column headed "Found" if the same was up to standard, an "S" (satisfactory) appears. The exception to this is in the case of a given sample being marked with a guarantee, which is not required if vegetable seed is up to standard; then, if the seed is found to be below the regular tolerance from that guaranteed figure, the figure found upon test followed by "÷" is listed as "mislabeled" even though it might in some cases be up to standard.

The New Hampshire seed law and the rules and regulations thereunder, including the germination standards for vegetable seed, follow:

STATE OF NEW HAMPSHIRE

CHAPTER 224, REVISED LAWS

(As inserted by Chapter 54 Laws of 1943)

AN ACT

To Regulate the Labeling, Sale and Offering or Exposing for Sale, of Agricultural and Vegetable Seeds.

Agricultural and Vegetable Seeds

1. **Definitions.** Terms used in this chapter shall be construed as follows:

I. The term "agricultural seeds" shall include the seeds of grass, forage, cereal and fiber crops and any other kinds of seeds commonly recognized within this state as agricultural or field seeds, and mixtures of such seeds.

II. The term "vegetable seeds" shall include the seeds of those crops which are grown in gardens or on truck farms and are generally known and sold under the name of vegetable seeds in this state.

III. The term "weed seeds" shall include the seeds of all plants generally recognized as weeds within this state, and shall include noxious weed seeds.

IV. Noxious weed seeds shall be divided into two classes, "primary noxious weed seeds" and "secondary noxious weed seeds" as herein defined; provided, that the commissioner of agriculture may add to or subtract from the list of seeds included under either definition whenever he finds that such additions or subtractions are within the respective definitions.

V. "Primary noxious weed seeds" shall include the seeds of perennial weeds such as those that reproduce and spread by underground roots or stems as well as by seed, and which, when established, are highly destructive and difficult to control in this state by ordinary good cultural practice. Primary noxious weed seeds in this state are the seeds of: Canada thistle (Cirsium arvense), field bindweed (Convolvulus arvensis), and quackgrass (Agropyron repens).

VI. "Secondary noxious weed seeds" shall include the seeds of such weeds as are very objectionable in field, lawns, or gardens of this state, but can be controlled by good cultural practices. The secondary noxious weed seeds in this state are the seeds of: dodder (Cuscuta spp.) and crab grass (Digitaria sanguinalis).

VII. The term "labeling" includes all labels, and other written, printed, or graphic representations, in any form whatsoever, accompanying and pertaining to any seed whether in bulk or in containers, and includes invoices.

VIII. The term "advertisement" means all representations, other than those on the label, disseminated in any manner or by any means, relating to seed within the scope of this chapter.

2. **Label Requirement.** Each separate container of agricultural or vegetable seed, including seeds in small packets, which is sold, offered for sale, or exposed for sale, within this state for sowing purposes shall bear thereon or have attached thereto in a conspicuous place a plainly written or printed label or tag in the English language, giving the information as set forth in sections 3 and 4.

3. **Agricultural Seeds.** For agricultural seeds the following is required:

I. Commonly accepted name of kind, or kind and variety, of each agricultural seed component in excess of five per cent of the whole and the percentage by weight of each. Where more than one component is required to be named, the word "mixture" or "mixed" shall be associated with the name on the label.

II. Lot number or other lot identification.

III. Origin, if known, of alfalfa, red clover and field corn (except hybrid corn). If the origin is unknown, that fact shall be stated.

IV. Percentage by weight of all weed seeds, including those known as noxious weeds.

V. Secondary noxious weeds. The name and approximate number of each kind of secondary noxious weed seed, per ounce in groups (A) and (B) and per pound in groups (C) and (D), when present singly or collectively in excess of—

(A) One seed or bulblet in each 5 grams of Agrostis spp., Poa spp., Rhodes grass, Bermuda grass, timothy, orchard grass, fescues (except meadow fescue), alsike and white clover, reed canary grass, Dallis grass, and other agricultural seeds of similar size and weight, or mixtures within this group;

(B) One seed or bulblet in each 10 grams of ryegrass, meadow fescue, foxtail millet, alfalfa, red clover, sweetclovers, lespedezas, smooth brome, crimson clover, Brassica spp., flax, Agropyron spp., and other agricultural seeds of similar size and weight, or mixtures within this group, or of this group with (A);

(C) One seed of bulblet in each 25 grams of proso, Sudan grass and other agricultural seeds of similar size and weight, or mixtures not specified in (A), (B), or (D);

(D) One seed or bulblet in each 100 grams of wheat, oats, rye, barley, buckwheat, sorghums (except Sudan grass), vetches, and other agricultural seeds of a size and weight similar to or greater than those within this group, or any mixtures within this group.

All determinations of noxious weed seeds are subject to tolerances and methods of determination prescribed in the rules and regulations under this chapter.

VI. Percentage by weight of agricultural seeds other than those required to be named on the label.

VII. Percentage by weight of inert matter.

VIII. For each named agricultural seed, percentage of germination, exclusive of hard seed, percentage of hard seed, if present, and the calendar month and year the test was completed to determine such percentages.

IX. Name and address of the person who labeled said seed, or who sells, offers, or exposes said seed for sale within this state.

4. **Vegetable Seeds.** For vegetable seeds, the following is required:

I. Name of kind and variety of seed, and the calendar month and year when last tested for germination.

II. For seeds which germinate less than the standard last established by the commissioner of agriculture hereunder, and in type not smaller than ten point size: percentage of germination exclusive of hard seed; percentage of hard seed, if present; and the words, "below standard."

III. Name and address of the person who labeled said seed, or who sells, offers or exposes said seed for sale within this state.

5. **Illegal Sales.** It shall be unlawful for any person to sell, offer for sale or expose for sale any agricultural or vegetable seed within this state:

I. Unless the test to determine the percentage of germination required by sections 3 and 4 shall have been completed within a nine-month period, exclusive of the calendar month in which the test was completed, immediately prior to sale, exposure for sale, or offering for sale or transportation.

II. Not labeled in accordance with the provisions hereof, or having a false or misleading labeling.

III. Pertaining to which there has been a false or misleading advertisement.

IV. Any agricultural seeds containing any primary noxious weed seeds except as may be allowed under tolerances prescribed in the rules and regulations hereunder.

6. **Prohibitions.** It shall be unlawful for any person within this state:

I. To detach, alter, deface, or destroy any label provided for herein or the rules and regulations made and promulgated hereunder, or to alter or substitute seed, in a manner that may defeat the purposes hereof.

II. To disseminate any false or misleading advertisement concerning agricultural or vegetable seed in any manner or by any means.

III. To hinder or obstruct in any way any authorized person in the performance of his duties hereunder.

IV. To fail to comply with a "stop sale" order.

7. **Exemptions.** The provisions of sections 2 to 6, inclusive, do not apply to seed or grain not intended for sowing purposes, nor to seed in storage in, or consigned to, a seed cleaning or processing establishment for cleaning or processing, provided, that any labeling or other representation which may be made with respect to the unclean seed shall be subject to the provisions hereof.

8. **Exceptions.** No person shall be subject to the penalties hereof for having sold, offered or exposed for sale in this state any agricultural or vegetable seeds, which were incorrectly labled or represented as to kind, variety, or origin which seeds cannot be identified by examination thereof, unless he has failed to take all proper precautions to insure the identity to be that stated in accordance with rules and regulations hereunder.

9. **Duties and Authority of Commissioner of Agriculture.** The commissioner of agriculture, who may act through his authorized agents, shall have the power:

I. To sample, inspect, make analyses of, and test, agricultural and vegetable seeds transported, sold, offered or exposed for sale within this state for sowing purposes, at such time and place and to such extent as he may deem necessary to determine whether said agricultural or vegetable seeds are in compliance with the provisions hereof, and to notify promptly the person who transported, sold, offered or exposed the seed for sale, of any violation.

II. To prescribe, and after public hearing to adopt, rules and regulations governing the methods of sampling, inspecting, analysis, tests, and examination of agricultural and vegetable seed, and the tolerances to be followed in the administration hereof, which shall be in general accord with officially prescribed practice in interstate commerce, and such other rules and regulations as may be necessary to secure the efficient enforcement hereof.

III. To enter upon any public or private premises during regular business hours in order to have access to seeds subject to this chapter and the rules and regulations promulgated hereunder.

IV. To issue written or printed "stop sale" orders which shall prohibit further sale of any lot of agricultural or vegetable seed which the commissioner has reason to believe is in violation of any of the provisions hereof until the law has been complied with or said violation otherwise legally disposed of: Provided, that no "stop sale" order shall be issued or attached to any lot of seed without first giving the owner or custodian of such seed an opportunity to comply with the law or to withdraw the seed from sale.

V. To establish and maintain or make provision for seed testing facilities, to employ qualified persons, and to incur such expenses as may be necessary to comply with these provisions.

VI. To make or provide for making purity and germination tests of seeds for farmers and dealers on request; to prescribe rules and regulations governing such testing; and to fix and collect charges for the tests made. All fees collected hereunder shall be paid over by the commissioner to the state treasurer who shall keep the same in a special fund to be used only for purposes of this chapter.

VII. To cooperate with the United States Department of Agriculture in seed law enforcement.

10. **Seizure.** Upon the recommendation of the commissioner of agriculture or his duly authorized agents, the court of competent jurisdiction in the area in which the seed is located shall cause the seizure and subsequent denaturing, processing, or destruction to prevent the use for sowing purposes of any lot of agricultural or vegetable seed found to be unfit for sowing purposes: Provided, that in no instances shall the denaturing, processing, or destruction be ordered without first having given the claimant of said seed an opportunity to apply to said court for the release of said seed.

11. **Penalties.** Whoever violates any of the provisions of this chapter or any rule or regulation promulgated hereunder shall be fined not exceeding one hundred dollars for the first offense and not exceeding two hundred and fifty dollars for each subsequent offense. Fines collected hereunder shall be paid, by the court collecting the same, to the commissioner of agriculture and by him forwarded to the state treasurer for the use of the state.

12. **Publication.** The commissioner of agriculture shall publish, or cause to be published, the results of tests and analyses of samples of agricultural and vegetable seeds, as herein provided, together with the names and addresses of the persons from whom the samples of seed were obtained. He may publish such other information as he may deem advisable concerning the value, character and use of certain seeds.

13. **Takes Effect.** This act shall take effect upon its passage.

Approved March 10, 1943.

Sampling.

(a) In order to secure a representative sample, equal portions shall be taken from evenly distributed parts of the quantity of seed to be sampled. Access shall be had to all parts of that quantity.

(b) For free-flowing seed in bags or bulk, a probe or trier shall be used. For small free-flowing seed in bags, a probe or trier long enough to sample all portions of the bag should be used.

(c) Non-free-flowing seed, such as certain grass seed, uncleaned seed, or screenings, difficult to sample with a probe or trier, shall be sampled by thrusting the hand into the bulk and withdrawing representative portions.

(d) The portions shall be combined into a composite sample or samples.

(e) As the seed is sampled, each portion shall be examined, and, whenever there appears to be a lack of uniformity, additional samples shall be taken to show such lack of uniformity as may exist.

Bulk seeds shall be sampled by inserting a long probe or thrusting the hand into the bulk as circumstances require in several uniformly distributed parts of the quantity being sampled.

Bags. (1) In quantities of five bags or less, each bag shall be sampled.

(2) In quantities of more than five bags, at least every fifth bag but not less than five bags shall be sampled. Samples shall be drawn from unopened bags except under circumstances where the identity of the seed has been preserved.

In sampling packet seeds, entire unopened packets shall be taken.

Size of sample. The following are minimum weights of samples of seed to be submitted for anlysis, test, or examination:

(1) Two ounces of grass seed not otherwise mentioned, white or alsike clover, or seeds not larger than these.

(2) Five ounces of red or crimson clover, alfalfa, ryegrass, brome-grasses, millet, flax, rape, or seeds of similar size.

(3) Two pounds of cereals, vetches, or seeds of similar or larger size.

(4) Two quarts of screenings.

Analysis.

The New Hampshire seed laboratory will be guided in making purity and germination tests by the rules and regulations prescribed under the Federal Seed Act.

Tolerance.

Owing to the natural variation between tests, the following tolerances shall be allowed between the percentages found by analysis, test or examination and the percentages stated on the tag accompanying the seed:

For purity: Allowing "a" to represent the component being considered and "b" the difference between that percentage and 100, according to the following formula:

$$\text{Pure seed tolerance} = 0.6 + \left(0.2 \times \frac{a \times b}{100} \right)$$

a sample of timothy guaranteed 99.20 would have an allowable variation of .75 or could test as high as 99.95 or as low as 98.45 and be "satisfactory."

For germination: The following tolerances are applicable:

Healthy sprouts found by test in each 100 seeds	Tolerance
96 or over	5
90 or over but less than 96	6
80 or over but less than 90	7
70 or over but less than 80	8
60 or over but less than 70	9
Less than 60	10

Therefore, a sample of seed guaranteed 85% for germination may be as high as 92% or as low as 78% and be "satisfactory."

For weed seeds: The law requires in the labeling of agricultural seed (1) that the percentage of all weed seeds present shall be shown on the tag, (2) that no primary noxious weed seeds shall be present in the sample, and (3) that secondary noxious weed seeds shall be given by name and approximate number, per ounce in groups (A) and (B) and per pound in groups (C) and (D), when present singly or collectively in excess of—

(A) One seed or bulblet in each 5 grams of Agrostis species, Poa species, Rhodes grass, Bermuda grass, timothy, orchard grass, fescues (except meadow fescue), alsike and white clover, reed canary grass, Dallis grass, and other agricultural seeds of similar size and weight, or mixtures within this group;

(B) One seed or bulblet in each 10 grams of ryegrass, meadow fescue, foxtail millet, alfalfa, red clover, sweetclovers, lespedezas, smooth brome, crimson clover, Brassica species, flax, Agropyron species, and other agricultural seeds of similar size and weight, or mixtures within this group, or of this group with (A);

(C) One seed or bulblet in each 25 grams of proso, Sudan grass and other agricultural seeds of similar size and weight, or mixtures not specified in (A), (B), or (D);

(D) One seed or bulblet in each 100 grams of wheat, oats, rye, barley, buckwheat, sorghum (except Sudan grass), vetches, and other agricultural seeds of a size and weight similar to or greater than those within this group, or any mixtures within this group.

Certain tolerances are allowed, however, to provide for variations and unavoidable errors, but only within very narrow limits and for which there is always a standard formula for computation. Examples: (1) Timothy guaranteed only 2 per cent weed seeds will not be condemned if it has a 2.59 per cent. (2) No primary noxious weed seeds are allowed, but the presence of two such seeds in 50 grams of timothy would not be considered a violation. (3) Similarly, some slight variation from the minimum requirement for labeling secondary noxious weed seeds will be passed as satisfactory.

Free Testing

The Seed Testing Laboratory will allow two free tests, in a given year, to any resident company or person of New Hampshire, but such seeds must be received in the laboratory during the months of October, November, December and January. This number of samples, not including mixtures, may be analyzed either for purity or for germination, or one sample for both purity and germination, free of charge. A given seed company will be entitled to two private tests without charge, but not two from each branch store. For numbers in excess of two, a charge will be made for labor and consumable supplies only, the amount depending on the type of sample according to the following schedule:

Germination tests of all vegetable seeds, 30 cents;

Germination tests of all agricultural crop seeds and grasses, 50 cents;

Germination tests of mixtures, 50 cents for each kind of seed present;

Purity analyses of cereals, timothy and larger crop seeds and legumes, $1.00;

Purity analyses of small grasses, $2.00; unhulled redtop, $2.50;

Purity analyses of mixtures, including those for lawn and pasture seeding, a charge sufficient to cover the actual cost of working the sample submitted for test, minimum charge of $2.50.

Such private samples of seed to be tested should be drawn in such a way as to be representative of the bulk lot from which they are taken, and should be addressed to the State Seed Testing Laboratory, Durham, New Hampshire. Such private tests cannot be declared as state official tests unless drawn by a representative of the department of agriculture, as provided in Chapter 224 of the Public Laws. Fees must be paid before reports will be sent out.

The minimum weights of samples to be submitted for analysis are:

1. Two ounces of grass seed, white or alsike clover, or seeds not larger than these.
2. Five ounces of red or crimson clover, alfalfa, rye grasses, millet, rape, or seeds of similar size.
3. One pound of cereal, vetches or seeds of similar or larger size.

The minimum number of seeds of any one kind to be submitted for a germination test is 400.

Germination Standards for Vegetable Seed.

Following are the germination standards established by the commissioner of agriculture pertaining to Section four of the act entitled Vegetable Seeds.

	Per cent
Artichoke	60
Asparagus, including hard seeds	70
Beans (except lima)	75
Beans, lima	70
Beets	65
Broccoli	75
Brussels sprouts	70
Cabbage	75
Carrot	55
Cauliflower	75
Celery and celeriac	55
Chicory	65
Citron	65
Collards	80
Corn	75
Cress, garden	40
Cress, water	25

	Per cent
Cucumber	80
Dandelion	45
Eggplant	60
Endive	70
Fetticus (cornsalad)	70
Kale	75
Kohlrabi	75
Leek	60
Lettuce	80
Muskmelon	75
Mustard	75
Okra	50
Onion	70
Parsley	60
Parsnip	60
Peas	80
Pepper	55
Pumpkin	75
Radish	75
Rhubarb	60
Rutabaga	75
Salsify	75
Sorrel	60
Spinach (except New Zealand)	60
Spinach (New Zealand)	40
Squash	75
Swiss chard	65
Tomato	75
Tomato, husk	50
Turnip	80
Watermelon	70

Labeling.

The following labels are suggested as meeting the minimum requirements of the New Hampshire seed law.

Example for unmixed agricultural seed:

John F. Doe Company
Greene, N. H.

Mammoth Clover — Lot No. 243

Pure seed	98.65	Germination	80%
Crop seed	.86		
Weeds	.38	Hard seeds	7
Inert Matter	.11		
Origin Idaho		Date of test Jan. 1949	

1 dodder per oz.

Example for mixed agricultural seed:

John F. Doe Company
Greene, N. H.

Grass seed, mixed — Lot No. 0236

Purity:		Germination:	
Perennial rye grass	32.23%	92.5%	Jan. 1949
Chewing fescue	18.08	85.0%	Dec. 1948
Kentucky bluegrass	14.75	80.0%	Jan. 1949
Canada bluegrass	15.37	58.5%	Jan. 1949
Creeping bent	14.20	84.0%	Jan. 1949
Crop seed	.61		
Weed seed	2.07		
Inert matter	2.69		

5 Crabgrass per oz.

Example for vegetable seed:

(Up to standard)	"New York Lettuce John Smith, Dale, Ill. Date of Germination test: Feb. 7, 1949."
(For vegetable seed which germinates less than standard)	"New York Lettuce John Smith, Dale, Ill. Date of Germination test: Feb. 7, 1949. Germination 75% BELOW STANDARD

The law states that "each separate container of agricultural or vegetable seed, including seeds in small packets, shall be labeled"; but if a dealer has bulk lots of seeds exposed for sale and these bulk lots are properly labeled, he shall not be required to copy the information from the label on to each individual bag in which he delivers small lots of this bulk seed over the counter to customers.

New Hampshire Experiment Station
AGRICULTURAL SEED INSPECTION, 1949

Name and Address of Wholesaler Name and Address of Dealer Kind of Seed	Sample No.	Date Tested*		Pure Seed	Other Crop Seed	Weed Seed	Inert Matter	Germination	Remarks
				(Note)	(Note)	(Note)	(Note)	(Note)	
ALLEN, STERLING & LOTHROP, Portland, Me.									
Arthur L. Potter, Conway									
Red clover, 9815	1577	S	L	99.50	.24	.10	.16	92	
			F	S	S	S	S	S	
THE BELT SEED CO., INC., Baltimore, Md.									
C. S. Eaton, Conway									
Redtop, 1254	1578	S	L	94.00	.30	.20	5.50	85	
			F	S	S	S	S	S	
BRECK'S, Boston									
A. M. Rand, Plymouth									
Redtop, Unhulled, 57-35	1445	S	L	52.78	1.68	1.28	44.26	74	
			F	S	S	S	S	58	Germination below guarantee.
Timothy, 65-31	1446	S	L	99.60	.05	.05	.30	93	
			F	S	S	S	S	S	
ARTHUR R. CONE, Buffalo, N. Y.									
W. R. Barnett Co., Colebrook									
Alsike clover, 25-501	1586	S	L	98.62	1.03	.30	.05	82	
			F	S	S	S	S	S	
Corn, Minnesota, 1380 x 351	1590	S	L	99.50	..	..	.50	90	
			F	S	S	S	S	S	
Japanese Millet, 90 x 119	1588	S	L	98.88	..	.82	.30	86	
			F	S	S	S	S	S	
Soybeans, Black Wilson, 62-91	1587	S	L	99.00	..	..	1.00	85	
			F	S	S	S	S	S	
Colebrook Feed Co., Colebrook									
Barley, Wisconsin No. 38, 52-133	1583	S	L	99.25	.44	.08	.23	85	
			F	S	S	S	S	A	
G. B. Currier Co., West Stewartstown									
Ladino Clover, 35-65	1614	S	L	99.37	..	.11	.54	73	
			F	S	S	S	S	A	
Reed Canary Grass, 44-35	1615	S	L	99.05	.05	.20	.70	70	
			F	S	S	S	S	S	

* As stated on accompanying tag. "S" in this column indicates that date of test was in compliance with law. Figures or "None" indicate violation.
Note: L—Label; F—Found. "S" in the Found line indicates that the sample was satisfactory in relation to the guarantee. Figures indicate violation.
A—Above guarantee

Name and Address of Wholesaler Name and Address of Dealer Kind of Seed	Sample No.	Date Tested*		Pure Seed	Other Crop Seed	Weed Seed	Inert Matter	Germination	Remarks
				(Note)	(Note)	(Note)	(Note)	(Note)	
General Mills, Inc., Exeter									
Japanese Millet, 90 x 121	1023	S	L	98.95	..	.96	.09	85	
			F	S	S	S	S	S	
Redtop, 30-183	1022	S	L	92.00	1.00	.75	6.25	90	
			F	S	S	S	S	S	
Timothy, 10 x 820	1024	S	L	99.60	.20	.05	.15	90	
			F	S	S	S	S	80	Germination below guarantee.
General Mills, Inc., Nashua									
Alfalfa, Canadian Grimm, 28-453	1365	S	L	99.36	.22	.34	.08	75	
			F	S	S	S	S	S	
Hungarian Millet, 90-126	1364	S	L	98.74	.04	.94	.28	85	
			F	S	S	S	S	S	
Red Clover, Medium, 15 x 794	1366	S	L	99.33	.14	.39	.14	78	
			F	S	S	S	S	S	
Keene Grain Co., Keene									
Alsike clover, 25-603	1570	S	L	99.00	.45	.10	.55	72	
			F	S	S	S	S	S	
Sweet clover, White Blossom, 29 x 176	1571	S	L	95.64	4.06	.02	.28	71	
			F	S	S	S	S	S	
Lakes Region Feed & Supply Co., Laconia									
Alfalfa, Grimm, 28-470	1508	S	L	99.00	.52	.33	.15	78	
			F	S	S	S	S	60.5	Germination below guarantee.
Alsike clover, 25 x 513	1513	S	L	97.00	2.00	.41	.59	75	
			F	S	S	S	S	A	
Buckwheat, Silverhull, 58 x 118	1510	S	L	99.50	..	..	.50	85	
			F	S	S	S	S	A	
Corn, 8-row Flint, 83-254	1515	S	L	99.50	..	..	.50	90	
			F	S	S	S	S	S	
Corn, Westbranch Sweepstakes, 80-335	1516	S	L	99.50	..	..	.50	90	
			F	S	S	S	S	S	
Corn, Arco Hybrid 85, 84-175	1517	S	L	99.50	..	..	.50	92	
			F	S	S	S	S	S	
Corn, Leaming, 80-346	1518	S	L	99.50	..	..	.50	90	
			F	S	S	S	S	S	
Field peas, Canada, 60-26	1519	S	L	99.30	..	..	.70	80	
			F	S	S	S	S	S	
Hungarian Millet, 90 x 128	1509	S	L	98.34	.02	1.26	.38	82	
			F	S	S	S	S	S	

Ladino clover, 35 x 66	1506	S	L	99.36	.10	.15	.39	70	
			F	S	S	S	S	A	
Oats, Victory 50-252	1520	S	L	99.50	.10	.05	.35	90	
			F	S	S	S	S	S	
Red clover, Medium, 15-808	1512	S	L	98.69	1.06	.13	.12	82	
			F	S	S	S	S	S	
Redtop, 30-186	1505	S	L	92.29	.05	.71	6.95	85	
			F	S	S	S	S	S	
Reed Canary Grass, 44-36	1514	S	L	95.58	.05	.15	4.22	60	
			F	S	S	S	S	S	
Sudan Grass, 92-33	1507	S	L	98.15	.60	.05	1.20	77	
			F	S	S	S	S	63.5	Germination below guarantee.
Timothy, 10 x 858	1511	S	L	99.51	.25	.14	.10	85	
			F	S	S	S	S	64	Germination below guarantee.
Moulton & Goodwin, Portsmouth									
Bentgrass, Colonial, 40-21	1427	S	L	99.23	.10	.19	.48	90	
			F	S	S	S	S	77	Germination below guarantee.
Reed Canary Grass, 44-32	1426	S	L	98.50	.25	.98	.27	70	
			F	S	S	S	S	S	
White clover, 32-100	1428	S	L	99.30	.64	.11	.05	57	
			F	S	S	S	S	A	
Sunshine Feed Store, Keene									
Alfalfa, Canadian Grimm, 28-458	1551	S	L	98.68	1.18	.12	.02	75	
			F	S	S	S	S	S	
Red clover, Medium, 15-808	1553	S	L	98.69	1.06	.13	.12	82	
			F	S	S	S	S	S	
Timothy, 10-830	1552	S	L	99.74	.08	.03	.15	90	
			F	S	S	S	S	77	Germination below guarantee.
White clover, 32-77	1550	S	L	98.70	.40	.45	.45	78	
			F	S	S	S	S	S	
Sunshine Feed Store, Manchester									
Alfalfa	1051	S	L	99.45	.32	.06	.17	80	No lot No. given.
			F	S	S	S	S	61	Germination below guarantee.
Alsike clover	1050	S	L	98.50	.60	.40	.50	78	No lot No. given.
			F	S	S	S	S	S	
Corn, Canada Flint, Pa.-83-241	1043	S	L	99.50	..	..	.50	85	
			F	S	S	S	S	A	
Corn, Westbranch Sweepstakes, 80-314	1052	S	L	99.50	..	..	.50	85	
			F	S	S	S	S	S	
Ladino clover	1058	S	L	99.25	.25	.25	.25	81	No lot No. given.
			F	S	S	S	S	A	
Oats, Clinton	1047	S	L	99.45	.10	.05	.40	90	No lot No. given.
			F	S	S	S	S	S	

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Name and Address of Wholesaler Name and Address of Dealer Kind of Seed	Sample No.	Date Tested*		Pure Seed	Other Crop Seed	Weed Seed	Inert Matter	Germination	Remarks
				(Note)	(Note)	(Note)	(Note)	(Note)	
Redtop, 30-158	1059	S	L	92.00	..	.50	7.50	80	
			F	S	S	S	S	S	
Timothy	1049	S	L	99.74	.08	.03	.15	90	No lot No. given.
			F	S	S	S	S	S	
Wirthmore Grain Co., Nashua									
Rape, Dwarf Essex, 72-34	1377	S	L	99.77	.11	.08	.04	90	
			F	S	S	S	S	S	
THE CLEVELAND GRAIN CO., Cleveland, Ohio									
Cheshire County Grain Co., Keene									
Oats, White No. 1, Elwood	1541	S	L	98.75	.90	.10	.25	94	
			F	S	S	S	S	S	
CHAS. M. COX CO., Boston, Mass.									
W. R. Barnett Co., Colebrook									
Barley, Fancy Trebi, 6 rowed	1593	S	L	96.00	2.00	.50	.50	95	
			F	S	S	S	S	S	
Nelson-Warner Co., Charlestown									
Oats, Wirthmore Brand, No. 1	1180	S	L	98.80	.09	.01	.02	94	
			F	S	S	S	S	S	
CRAVER-DICKINSON, Buffalo, N. Y.									
Cheshire County Farmers' Exch., Keene									
Alfalfa, Grimm 27-58	1534	S	L	99.64	.02	.14	.20	70	
			F	S	S	S	S	S	
Alsike clover, 21-535	1535	S	L	99.60	.10	.05	.25	72	
			F	S	S	S	S	A	
Corn, Cornell No. 11, 72-334	1533	S	L	99.00	..	..	1.00	90	
			F	S	S	S	S	S	
Merrimack Farmers' Exchange, Inc., Keene									
Redtop, 41-428	1542	S	L	92.00	.28	.80	6.92	90	
			F	S	S	S	S	S	
Merrimack Farmers' Exch., Inc., Manchester									
Birdsfoot trefoil, Certified, 29-21	1291	S	L	99.50	.40	.05	.05	64	
			F	S	S	S	S	S	
Merrimack Farmers' Exchange, Inc., Nashua									
Field Peas, 85-6	1369	S	L	98.00	.50	..	1.50	85	
			F	S	S	S	S	S	
Rye, Spring, 74-112	1367	S	L	98.73	.10	..	1.17	87	
			F	S	S	S	S	60	Germination below guarantee.

THE ALBERT DICKINSON CO., Chicago, Ill.									
Cheshire County Farmers' Exchange, Keene									
Alsike clover, 21334, 21336, 021898	1536	S	L	98.35	.90	.30	.45	82	
			F	S	S	S	S	S	
Red clover, Medium, 24806	1537	S	L	98.52	.58	.28	.62	82	
			F	S	S	S	S	S	
Redtop, 41443, 041820, No. 2	1539	S	L	92.58	.86	.86	5.70	92	Weed seeds and other crop seeds excessive.
			F	S	1.53	2.13	S	S	
Timothy, 66152	1538	S	L	98.15	1.25	.25	.35	90	
			F	S	S	S	S	S	
Holbrook Grocery Co., Keene									
Bluegrass, Kentucky, 032300	1557	S	L	86.37	.10	.10	13.43	80	
			F	S	S	S	S	S	
Buckwheat, Japanese, 86173	1564	S	L	99.82	.06	.08	.04	92	
			F	S	S	S	S	S	
Hungarian Millet, 83117	1561	S	L	98.48	.02	1.24	.26	82	
			F	S	S	S	S	S	
Japanese Millet, 081124, No. 1	1562	S	L	99.02	.01	.93	.04	91	
			F	S	S	S	S	S	
Ladino clover, 54446, 026919, 26693	1556	S	L	99.60	.05	.10	.25	58	
			F	S	S	S	S	S	
Rape, Dwarf Essex, 95705	1560	S	L	99.61	.01	.15	.23	90	
			F	S	S	S	S	79	Germination below guarantee.
Redtop, 041820, No. 2	1563	S	L	92.58	.86	.86	5.70	92	
			F	S	S	S	S	S	
Vetch, Hairy, 99238	1558	S	L	99.87	.01	.01	.11	85	
			F	S	S	S	S	71	Germination below guarantee.
White clover, 05H375, 026922	1559	S	L	99.15	.25	.05	.55	78	
			F	S	S	S	S	S	
Merrimack Farmers' Exchange, Inc., Claremont									
Alfalfa, Grimm, 2712-13	1176	S	L	99.78	.16	.20	.04	64	
			F	S	S	S	S	S	
Merrimack Farmers' Exchange, Inc., Keene									
Alsike clover, 21314	1543	S	L	99.30	.35	.25	.10	78	
			F	S	S	S	S	S	
Alsike clover, 21348-9	1544	S	L	99.15	.40	.10	.35	83	
			F	S	S	S	S	S	
Ladino clover, 26696	1545	S	L	99.15	.15	.35	.35	76	
			F	S	S	S	S	S	
Red clover, Medium, 24831	1546	S	L	98.20	1.70	.06	.04	78	
			F	S	S	S	S	S	

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Name and Address of Wholesaler Name and Address of Dealer Kind of Seed	Sample No.	Date Tested*		Pure Seed	Other Crop Seed	Weed Seed	Inert Matter	Germination	Remarks
				(Note)	(Note)	(Note)	(Note)	(Note)	
Merrimack Farmers' Exchange, Inc., Laconia									
Orchard Grass, 037335, No. 2	1501	S	L	90.11	.05	.75	9.09	89	
			F	S	S	S	S	S	
Ryegrass, Common, 038372	1500	S	L	99.25	.08	.26	.41	90	
			F	S	S	S	S	S	
Sunflower, 90310	1502	S	L	99.00	..	..	1.00	91	
			F	S	S	S	S	S	
Merrimack Farmers' Exchange, Inc., Manchester									
Red clover, Medium, 24772	1289	S	L	99.46	.40	.02	.12	85	
			F	S	S	S	S	S	
Merrimack Farmers' Exchange, Inc., Nashua									
Brome Grass, 097239	1370	S	L	94.36	.61	.01	5.02	92	
			F	S	S	S	S	S	
Sudan Grass, 98289	1368	S	L	99.18	.01	.02	.79	87	
			F	S	S	S	S	S	
Merrimack Farmers' Exchange, Inc., Warner									
Hungarian Millet, 83116	1166	S	L	98.48	.02	1.40	.10	85	
			F	S	S	S	S	S	
EASTERN STATES FARMERS' EXCHANGE, Springfield, Mass.									
Eastern States Farmers' Exchange, Claremont									
Corn, Hybrid, Mass. 62	1149	S	L	99.50	..	..	.50	92	
			F	S	S	S	S	S	
Oats, Ajax, 273	1146	S	L	99.50	.05	.05	.40	90	
			F	S	S	S	S	S	
Oats, Clinton, 257	1147	S	L	99.50	.05	.05	.40	90	
			F	S	S	S	S	S	
Soybeans, Lincoln	1148	S	L	99.25	..	..	.75	85	No lot No. given.
			F	S	S	S	S	S	
Eastern States Farmers' Exchange, Dover									
Hay-Pasture Mixture No. 5:	1035	S	L		.37	.06	.16		
			F		S	S	S		
Timothy			L	40.00				88	
			F	S				S	
Ladino clover			L	10.00				76	
			F	S				A	
Red clover			L	50.00				80	
			F	S				S	

Cheshire County Farmers' Exchange, Keene									
Corn, Hybrid, Maine B, 1590	1540	S	L	99.50	..	..	.50	90	
			F	S	S	S	S	A	
CHARLES C. HART SEED CO., Wethersfield, Conn.									
Walter M. Davis, Center Ossipee									
Hungarian Millet, 49 X	1574	S	L	97.70	..	1.80	.50	86	
			F	S	S	S	S	58.5	Germination below guarantee.
Timothy	1575	S	L	99.60	..	.10	.30	90	No lot No. given.
			F	S	S	S	S	S	
HENRY HIRSH & SONS, INC., Toledo, Ohio									
Merrimack Farmers' Exchange, Inc., Keene									
Red clover, Medium, Solar, 1671	1547	S	L	99.36	.40	.14	.10	82	
			F	S	S	S	S	S	
THE J. CHAS. McCULLOUGH CO., Cincinnati, Ohio									
W. R. Barnett Co., Colebrook									
Red clover, Acme, 1597	1591	S	L	99.35	.45	.02	.18	81	
			F	S	S	S	S	S	
Moulton & Goodwin, Portsmouth									
Timothy, Acme, 9530	1429	S	L	99.60	.10	.05	.25	90	
			F	S	S	S	S	80	
Arthur L. Potter, Conway									
Alsike clover, Acme, 1711	1576	S	L	98.50	1.39	.05	.06	80	
			F	S	S	S	S	S	
MERRIMACK FARMERS' EXCHANGE, INC., Concord									
Merrimack Farmers' Exchange, Inc., Bradford									
Alfalfa, 27-15	1168	S	L	..	..	..	..	71	No guarantee for purity.
			F	99.26	.08	.31	.35	S	
Bluegrass, Kentucky, 32292	1172	S	L	88.70	.10	1.00	10.20	80	
			F	S	S	S	S	S	
Brome Grass, 97239	1171	S	L	94.36	.61	.01	5.02	92	
			F	S	S	S	S	S	
Orchard Grass, 3733	1170	S	L	90.11	.05	.75	9.09	89	
			F	S	S	S	S	S	
Redtop, 41382	1173	S	L	95.50	.10	.60	3.80	90	
			F	S	S	S	S	S	
Sudan Grass, 98289	1167	S	L	99.18	.01	.02	.79	87	
			F	S	S	S	S	S	
Merrimack Farmers' Exchange, Inc., Claremont									
Alsike clover, 21263	1175	S	L	98.65	1.10	.20	.05	83	
			F	S	S	S	S	S	
Corn, Maine B, 1500	1177	S	L	99.50	..	..	.50	87	
			F	S	S	S	S	A	

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				(Note)	(Note)	(Note)	(Note)	(Note)	
Merrimack Farmers' Exchange, Inc., Keene									
Oats, Swedish type	1549	S	L	98.75	.90	.10	.25	94	No lot No. given.
			F	S	S	S	S	S	
Timothy, 6638-9	1548	S	L	99.65	.05	.05	.25	84	
			F	S	S	S	S	S	
Merrimack Farmers' Exchange, Inc., Laconia									
Soybeans, Black Wilson, 3306	1503	S	L	99.00	..	..	1.00	79	
			F	S	S	S	S	S	
Merrimack Farmers' Exchange, Inc., Manchester									
Alfalfa, 27211	1294	S	L	99.78	.08	.06	.08	60	
			F	S	S	S	S	S	
Field Peas, Canadian type, 85756	1286	S	L	98.74	1.12	..	.14	90	
			F	S	S	S	S	S	
Vetch, Hairy, 99237	1288	S	L	99.64	.24	.01	.11	..	No guarantee for germination.
			F	S	S	S	S	79	
White Dutch Clover, 26903	1292	S	L	95.10	4.60	.05	.25	70	
			F	S	S	S	S	S	
Merrimack Farmers' Exchange, Inc., Nashua									
Birdsfoot trefoil, 4442	1372	S	L	98.40	.50	.30	.80	90	
			F	S	S	S	S	51	Germination below guarantee.
Merrimack Farmers' Exchange, Inc., Plymouth									
Rape, Dwarf Essex, 95694	1440	S	L	99.80	.02	.03	.15	89	
			F	S	S	S	S	S	
Red clover, Medium, 24678	1438	S	L	99.64	.04	.14	.18	86	
			F	S	S	S	S	A	
Reed Canary Grass, 126	1441	S	L	..	..	..	..	80	No guarantee for purity.
			F	99.11	..	.15	.74	56	Germination below guarantee.
Timothy, 66172-1	1442	S	L	99.70	.05	.05	.20	90	
			F	S	S	S	S	S	
White clover, 26705	1439	S	L	97.85	1.50	.25	.30	90	Purity and germination below guarantee; weed seeds excessive.
			F	95.80	3.49	S	S	71	
Merrimack Farmers' Exchange, Inc., Warner									
Alsike clover, 21264-3	1163	S	L	98.65	1.10	.20	.05	83	
			F	S	S	S	S	S	
Red clover, 24772	1162	S	L	99.46	.40	.02	.12	85	
			F	S	S	S	S	S	

Timothy, 66975	1161	S	L	99.70	.05	.10	.15	96
			F	S	S	S	S	S
THE O. & M. SEED CO., Green Springs, Ohio								
Merrimack Farmers' Exchange, Inc., Claremont								
Oats, Clinton, 56B	1174	S	L	98.50	.95	.15	.40	90
			F	S	S	S	S	S
THE PAGE SEED CO., Greene, N. Y.								
Colebrook Feed Co., Colebrook								
Corn, Cornell No. 1, 7035	1581	S	L	98.00	..	..	2.00	90
			F	S	S	S	S	S
Japanese Millet, J5348	1582	S	L	98.21	..	1.56	.23	90
			F	S	S	S	S	S
STANFORD SEED CO., Buffalo, N. Y.								
Chase Grain Mill, Plymouth								
Alsike clover, 5852	1434	S	L	97.00	2.55	.35	.10	82
			F	S	S	S	S	S
Buckwheat, Silverhull, 5911	1435	S	L	99.80	..	.05	.15	92
			F	S	S	S	S	S
Hungarian Millet, 5833	1433	S	L	98.96	..	.90	.14	85
			F	S	S	S	S	S
Colebrook Feed Co., Colebrook								
Soybeans, Lincoln, 4220	1584	S	L	99.00	..	..	1.00	85
			F	S	S	S	S	S
Lisbon Grain & Coal Co., Lisbon								
Red Clover, Medium, 5997	1601	S	L	99.00	.20	.32	.48	80
			F	S	S	S	S	S
Merrimack Farmers' Exchange, Inc., Claremont								
Buckwheat, Japanese, 6023	1178	S	L	99.55	..	.05	.40	90
			F	S	S	S	S	A
Merrimack Farmers' Exchange, Inc., Laconia								
Corn, Yellow Sweepstakes, 1263	1504	S	L	99.00	..	..	1.00	94
			F	S	S	S	S	S

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				(Note)	(Note)	(Note)	(Note)	(Note)	
Merrimack Farmers' Exchange, Inc., Manchester									
Barley, Wis. No. 38, 6-row, 5803	1287	S	L	98.80	.70	.10	.40	94	
			F	S	S	S	S	S	
Corn, Cert. Ohio K-24, 4177	1295	S	L	99.50	..	..	.50	93	
			F	S	S	S	S	S	
Merrimack Farmers' Exchange, Inc., Nashua									
Alfalfa, Grimm, 6107	1371	S	L	99.00	.60	.30	.10	65	Purity below guarantee.
			F	97.84	1.56	S	S	S	Other crop seed excessive.
Merrimack Farmers' Exchange, Inc., Warner									
Japanese Millet, 5830	1164	S	L	98.84	..	1.10	.06	88	
			F	S	S	S	S	S	
Soybeans, Black Wilson, 4140	1165	S	L	99.00	..	..	1.00	90	
			F	S	S	S	S	S	
Nelson-Warner Co., Charlestown									
Alsike clover, 4319	1184	S	L	98.80	1.00	.15	.05	78	
			F	S	S	S	S	S	
Hungarian Millet, 3987	1183	S	L	98.74	..	.94	.37	85	
			F	S	S	S	S	S	
Japanese Millet, 1228-A	1181	S	L	97.26	..	2.72	.02	86	
			F	S	S	S	S	S	
Oats, Mohawk, 6080	1179	S	L	99.50	..	.05	.40	92	16 quackgrass per pound found.
			F	S	S	S	S	S	
Red clover, Medium, 5928	1186	S	L	99.50	.30	.05	.15	85	
			F	S	S	S	S	S	
Redtop, 4281	1185	S	L	92.00	1.50	1.00	5.50	90	
			F	S	S	S	S	S	
Timothy, 6082	1182	S	L	99.60	.15	.15	.10	87	
			F	S	S	S	S	77.5	Germination below guarantee.
Newport Grain Co., Newport									
Ladino clover, 5879	1093	S	L	97.50	1.90	.40	.20	60	
			F	A	S	S	S	S	
Timothy, 5977	1094	S	L	99.60	.15	.07	.19	90	
			F	S	S	S	S	S	
Wirthmore Feed Service, Manchester									
Alsike clover, 3936	1273	S	L	98.50	1.10	.15	.25	90	
			F	S	S	S	S	S	

Corn, Leaming, 4222	1268	S	L	99.00	..	..	1.00	95	
			F	S	S	S	S	S	
Corn, Yellow Sweepstakes, 437	1269	S	L	99.00	..	..	1.00	90	
			F	S	S	S	S	S	
Corn, Hybrid, Cornell 29-3, 4068	1270	S	L	99.00	..	..	1.00	94	
			F	S	S	S	S	S	
Hungarian Millet, 3519	1276	S	L	98.66	.02	1.08	.24	85	
			F	S	S	S	S	S	
Japanese Millet, 3510	1272	S	L	96.85	..	1.05	.10	85	
			F	S	S	S	S	S	
Red clover, Medium, 5971	1274	S	L	99.00	.36	.10	.54	76	
			F	S	S	S	S	A	
Redtop, 4125	1275	S	L	93.93	.02	.28	5.77	90	
			F	S	S	S	S	S	
Timothy, 5941	1271	S	L	99.67	.10	.03	.20	90	
			F	S	S	S	S	S	
Wirthmore Grain Co., Nashua									
Brome Grass, 4042	1378	S	L	90.53	.23	.12	9.12	90	
			F	S	S	S	S	S	
WHITNEY SEED CO., Buffalo, N. Y.									
R. J. Barbin Co., Berlin									
Ladino clover, 56L04	1580	S	L	98.90	.75	.30	.05	64	
			F	S	S	S	S	S	
Timothy, 1298	1579	S	L	99.60	..	..	.19	90	
			F	S	S	S	S	S	
W. R. Barnett Co., Colebrook									
Red clover, Medium, 50611	1585	S	L	99.54	.24	.14	.08	81	
			F	S	S	S	S	A	
Checkerboard Feed Store, Lancaster									
Ladino clover, 56L86	1595	S	L	99.65	.05	.05	.25	80	
			F	S	S	S	S	A	
Checkerboard Feed Store, Manchester									
Alfalfa, Canadian Grimm, 21-36	1313	S	L	99.40	.10	.30	.20	52	
			F	S	S	S	S	A	
Alsike clover, 1532	1308	S	L	98.90	.50	.45	.15	76	
			F	S	S	S	S	S	
Barley, 6-row, 80442	1300	S	L	98.75	.96	.01	.28	92	
			F	S	S	S	S	S	
Bentgrass, Highland, 3568	1306	S	L	98.60	.20	.20	1.00	90	Germination below guarantee.
			F	S	S	S	S	50	

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Name and Address of Wholesaler Name and Address of Dealer Kind of Seed	Sample No.	Date Tested*		Pure Seed	Other Crop Seed	Weed Seed	Inert Matter	Germination	Remarks
				(Note)	(Note)	(Note)	(Note)	(Note)	
Bluegrass, Kentucky, 3624	1312	S	L	85.80	..	.38	13.82	80	
			F	S	S	S	S	S	
Brome Grass, 3875	1314	S	L	91.50	.05	.05	8.40	90	
			F	S	S	S	S	S	
Buckwheat, Silverhull, 8149	1297	S	L	98.40	.60	.20	.80	80	
			F	S	S	S	S	A	
Chewings Fescue, 26583	1307	S	L	98.95	.35	.15	.55	90	
			F	S	S	S	S	S	
Corn, Yellow Sweepstakes, 70556	1299	S	L	99.50	..	..	.50	90	
			F	S	S	S	S	S	
Corn, Cornell Hybrid 35-5, 71313	1301	S	L	99.50	..	..	.50	90	
			F	S	S	S	S	A	
Corn, Cornell No. 11, 70550	1302	S	L	99.50	..	..	.50	90	
			F	S	S	S	S	S	
Corn, Early August, 70565	1303	S	L	99.50	..	..	.50	85	
			F	S	S	S	S	S	
Corn, Medium Moo Mix, 71202	1305	S	L	99.50	..	..	.50	90	
			F	S	S	S	S	S	
Field Peas, Canadian, 65245	1298	S	L	98.00	.32	.01	1.67	90	
			F	S	S	S	S	S	
Oats, Cert. Clinton, 82681	1304	S	L	99.80	..	.01	.19	94	
			F	S	S	S	S	S	
Orchard Grass, 3168	1317	S	L	91.34	.05	2.10	6.51	85	
			F	S	S	S	S	S	
Rape, Dwarf Essex, 96305	1316	S	L	99.70	.01	.01	.28	88	
			F	S	S	S	S	S	
Red clover, Medium, 50606	1311	S	L	99.44	.06	.20	.30	86	
			F	S	S	S	S	S	
Redtop, 40484	1315	S	L	93.00	.20	.40	6.40	90	
			F	S	S	S	S	76	Germination below guarantee.
Ryegrass, Domestic, 44551	1310	S	L	98.99	.01	.49	.51	90	
			F	S	S	S	S	S	
Wheat, Spring, Marquis, 84161	1296	S	L	99.89	.04	.01	.06	94	
			F	S	S	S	S	S	
White clover, 56375	1309	S	L	97.75	1.35	.10	.80	76	
			F	S	S	S	S	S	
Farmers' Feed & Supply Co., Berlin									
Alsike clover, 1530	1624	S	L	99.60	.10	.05	.25	72	
			F	S	S	S	S	A	
Buckwheat, 8151	1620	S	L	99.10	.52	.06	.32	80	
			F	S	S	S	S	A	
Corn, Cert. Cornell 29-3, 71328	1621	S	L	99.50	..	..	.50	92	
			F	S	S	S	S	S	

Hungarian Millet, 48522	1623	S	L	98.57	.04	1.07	.32	80	
			F	S	S	S	S	S	
Reed Canary Grass, 3910	1622	S	L	98.08	.25	.10	1.57	65	
			F	S	S	S	S	48	Germination below guarantee.
Farmers' Feed & Supply Co., Colebrook									
Alfalfa, Canadian Grimm, 2137	1610	S	L	99.32	.22	.20	.26	67	
			F	S	S	S	S	S	
Barley, Spartan, Two-row, 80543	1611	S	L	98.77	.66	.05	.52	90	Purity below guarantee.
			F	96.12	S	S	3.04	S	Inert matter excessive.
Corn, Cornell Hybrid 29-3, 71323	1613	S	L	99.50	..	..	.50	92	
			F	S	S	S	S	S	
Japanese Millet, 46554	1612	S	L	99.13	..	.78	.09	90	Purity below guarantee.
			F	93.48	S	S	4.77	S	Inert matter excessive.
Farmers' Feed & Supply Co., Newport									
Japanese Millet, 46551	1116	S	L	98.18	..	1.76	.06	88	
			F	S	S	S	S	S	
Timothy, 1280	1115	S	L	99.60	.20	.05	.20	90	
			F	S	S	S	S	S	
Unity Grist Mill, Manchester									
Alsike clover, 1527	1278	S	L	99.44	.04	.06	.46	70	Purity below guarantee.
			F	97.18	S	S	2.15	A	Inert matter excessive.
Timothy, 1291	1277	S	L	99.60	.15	.05	.20	90	
			F	S	S	S	S	S	
F. H. WOODRUFF & SONS, Milford, Conn.									
W. R. Barnett Co., Colebrook									
Brome Grass, 644-191	1589	S	L	88.96	.04	.70	10.30	87	
			F	S	S	S	S	S	
Timothy, 630-294	1592	S	L	99.60	.10	.05	.25	90	
			F	S	S	S	S	S	

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Name and Address of Wholesaler Name and Address of Dealer Kind of Seed	Sample No.	Date Tested*		Pure Seed	Other Crop Seed	Weed Seed	Inert Matter	Germination	Remarks
				(Note)	(Note)	(Note)	(Note)	(Note)	
In the case of the following samples of agricultural seeds, either the wholesaler is unknown or it is presumed that the seed was carried over by the dealer from the previous season; hence, the name of the wholesaler is omitted.									
Beacon Grain Store, Dover									
Alsike clover, 1593	1033	1/1948	L	99.05	.75	.05	.15	60	Not tested within 9 months.
			F	S	S	S	S	S	
Hungarian Millet, 48520	1034	3/1948	L	98.90	.02	.90	.18	83	
			F	S	S	S	S	S	Not tested within 9 months.
Redtop, 40463	1032	1/1948	L	95.00	.10	.20	4.70	90	
			F	S	S	S	S	S	Not tested within 9 months.
Ryegrass, Domestic	1030	None	L	....	..	..	..	..	No lot No., date of test, or
			F	99.80	..	..	.20	84	guarantee for purity or germination given.
Soybeans, Black Wilson, 66234	1028	2/1948	L	99.45	.01	.10	.44	80	
			F	S	S	S	S	S	Not tested within 9 months.
Sudan grass, 3012	1029	2/1948	L	99.33	.10	.02	.55	90	
			F	S	S	S	S	S	Not tested within 9 months.
Timothy, 1263	1031	1/1948	L	99.50	.10	.05	.30	90	
			F	S	S	S	S	S	Not tested within 9 months.
Checkerboard Feed Store, Lancaster									
Alsike clover, 1511	1597	3/1948	L	99.42	.16	.10	.32	67	
			F	S	S	S	S	A	Not tested within 9 months.
Buckwheat, 8120	1600	3/1947	L	98.98	..	.14	.88	90	
			F	S	S	S	S	S	Not tested within 9 months.
Corn, Minnesota 13, 70315	1596	3/1946	L	99.50	..	..	.50	85	
			F	S	S	S	S	S	Not tested within 9 months.
Corn, Minnesota 13, 70453	1598	3/1948	L	99.50	..	..	.50	85	
			F	S	S	S	S	S	Not tested within 9 months.
Corn, Yellow Sweepstakes, 70461	1599	3/1948	L	99.50	..	..	.50	90	Not tested within 9 months.
			F	S	S	S	S	81	Germination below guarantee.
Japanese Millet, 46543	1594	1/1948	L	99.00	..	.90	.10	85	
			F	S	S	S	S	S	Not tested within 9 months.
Eastern States Farmers' Exchange, Dover									
Japanese Millet, 287	1027	4/1948	L	99.10	.03	.77	.10	83	
			F	S	S	S	S	S	Not tested within 9 months.
General Mills, Inc., Exeter									
Alfalfa, Canadian Variegated Grimm	1026	12/1947	L	99.16	.36	.38	.10	82	Not tested within 9 months.
			F	S	S	S	S	50	Germination below guarantee. No lot No. given.
Bentgrass, Velvet, Cert. Blue Tag Raritan	1025	1/1948	L	99.65	..	.10	.25	90	Not tested within 9 months.
			F	S	S	S	S	74.5	Germination below guarantee.

Merrimack Farmers' Exchange, Inc., Manchester									
Ladino clover, 26643	1293	1/1948	L	98.70	.75	.15	.40	72	
			F	S	S	S	S	S	Not tested within 9 months.
Redtop, 41399-9	1290	1/1948	L	95.25	.41	.32	4.02	90	
			F	S	S	S	S	S	Not tested within 9 months.
Sunshine Feed Store, Manchester									
Red clover, Medium, Illinois	1045	3/1948	L	99.20	.35	.25	.20	80	
			F	S	S	S	S	S	Not tested within 9 months.
Unity Grist Mill, Manchester									
Alfalfa, Canadian Grimm, 40531	1282	4/1946	L	99.56	.28	.14	.02	70	Not tested within 9 months.
			F	S	S	S	S	30	Germination below guarantee.
Corn, Westbranch Sweepstakes, 70448	1279	2/1948	L	99.50	..	..	.50	90	Not tested within 9 months.
			F	S	S	S	S	78	Germination below guarantee.
Corn, Leaming, 70446	1280	2/1948	L	99.50	..	..	.50	85	
			F	S	S	S	S	S	Not tested within 9 months.
Corn, Cornell 29-3, 1408E	1281	1/1948	L	99.98	..	..	.02	98	Not tested within 9 months.
			F	S	S	S	S	90	Germination below guarantee.
Oats, Top Notch Alberta	1285	None	L	....	..	..	..	..	No lot No., date of test, or guarantee for purity or germination given.
			F	97.04	2.51	.33	.12	92	
Red clover, Medium, 50551	1283	4/1946	L	96.02	3.92	.04	.02	87	Not tested within 9 months.
			F	A	S	S	S	66.5	Germination below guarantee.
Red clover, Medium, 24-5198	1284	2/1945	L	99.32	.22	.10	.36	85	Not tested within 9 months.
			F	S	S	S	S	62	Germination below guarantee.

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New Hampshire Experiment Station

VEGETABLE SEED INSPECTION, 1949

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			Found	Guaranteed**	N. H. Standard
			(Note)		
ALLEN, STERLING & LOTHROP, Portland, Me.					
Carroll County Hardware, North Conway					
Beans, Yellow Eye	1602	S	S	90	75
Beans, Soldier	1604	S	S	90	75
Beans, Kentucky Wonder Pole	1605	S	S	85	75
Corn, Golden Bantam	1603	S	S	90	75
Central Feed & Grain, Somersworth					
Peas, Gradus	1073	S	S	90	80
Peas, World's Record	1074	S	78	90	80
G. B. Currier Co., West Stewartstown					
Beans, Dwarf Horticultural	1618	S	S	80	75
Moulton & Goodwin, Portsmouth					
Corn, Golden Cross Bantam	1530	S	S	90	75
Peas, Laxton's Progress	1526	S	S	90	80
North Stratford Grain Co., North Stratford					
Corn, Golden Sunshine	1625	S	S	90	75
Stone's Hardware, Gorham					
Peas, Little Marvel	1606	S	80÷	90	80
Peas, Imp. Tall Telephone	1607	S	S	90	80
ASSOCIATED SEED GROWERS, INC., Milford, Conn.,					
Chase Grain Mill, Plymouth					
Beans, London Horticultural Pole	1430	S	S	90	75
Beans, Burpee's Stringless Green Pod	1431	S	S	86	75
Peas, Alderman	1432	S	81÷	90	80
Farmers' Feed & Supply Co., Berlin					
Peas, Gradus	1619	S	S	90	80
Farmers' Feed & Supply Co., Colebrook					
Beans, Red Kidney	1609	S	76÷	85	75
Farmers' Feed & Supply Co., Newport					
Beans, Pencil Pod Black Wax	1113	S	S	85	75
Beans, Improved Golden Wax	1114	S	67	80	75
Corn, Golden Cross Bantam	1110	S	S	90	75
Corn, Golden Bantam	1111	S	S	90	75
Corn, Golden Sunshine	1112	S	S	90	75
Peas, World's Record	1107	S	S	90	80
Peas, Laxton's Progress	1108	S	78	84	80
Peas, Tall Telephone	1109	S	S	80	80
Chas. J. Goss, Lakeport					
Beans, Dwarf Horticultural	1482	S	S	75	75
Beans, Yellow Eye	1483	S	S	80	75
Peas, Blue Bantam	1484	S	81÷	90	80
Meredith Grain Store, Meredith					
Beans, French Horticultural	1412	S	57	85	75
Moulton & Goodwin, Portsmouth					
Beans, Bountiful	1423	S	S	85	75
Beans, Low's Champion	1424	S	S	90	75
Beans, Tendergreen	1425	S	S	80	75
Beans, Brittle Wax	1531	S	S	85	75
Beans, Imp. Kidney Wax	1532	S	46	80	75
Peas, Nott's Excelsior	1527	S	S	90	80
Peas, Dwarf Telephone, 91000	1528	S	67	80	80
Wirthmore Grain Co., Nashua					
Corn, Golden Sunshine, 8-row	1375	S	S	85	75

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			Found	Guaranteed**	N. H. Standard
			(Note)		
BRECK'S, Boston, Mass.					
John M. Guay, Laconia					
Broccoli, Italian Green Sprouting	1485	S	S	75	75
Cabbage, Jersey Wakefield	1486	S	S	80	75
Cauliflower, Early Dwarf Erfurt	1487	S	S	75	75
Herbs, Long Island Mammoth Dill	1488	S	S	60	..
Kohlrabi, Early White Vienna	1489	S	S	80	75
Jefferson Feed & Supply, Rochester					
Beans, Vt. Cranberry	1572	S	S	75	75
Beans, Goddard	1573	S	S	75	75
Martin's Hardware, Newport					
Beans, Dwarf Horticultural	1101	S	S	..	75
Beets, Crosby's Egyptian	1095	S	S	70	65
Beets, Early Wonder	1096	S	S	70	65
Beets Detroit Dark Red	1097	S	S	70	65
Carrots, Golden Beauty	1098	S	S	55	55
Carrots, Chantenay	1099	S	S	55	55
Carrots, Danvers Half Long	1100	S	S	55	55
Corn, Golden Bantam	1102	S	S	..	75
Peas, Little Marvel	1103	S	S	..	80
H. P. Maxfield, Pittsfield					
Peas, Little Marvel	1203	S	S	80	80
Peas, Dwarf Telephone	1204	S	S	80	80
J. P. Pitman & Co., Laconia					
Cabbage, Danish Ballhead	1494	S	S	80	75
Cucumber, Arlington White Spine	1490	S	S	80	80
Cucumber, Straight 8	1491	S	S	80	80
Cucumber, Imp. Long Green	1492	S	S	80	80
Cucumber, Boston Pickling	1493	S	S	80	80
A. M. Rand, Plymouth					
Beans, Pencil Pod Black Wax	1453	S	85÷	95	75
Beans, Golden Wax	1454	S	66	75	75
Corn, Harvard Hybrid	1447	S	S	80	75
Corn, Marcross Hybrid	1448	S	S	80	75
Corn, Early Sensation	1449	S	S	75	75
Corn, Golden Sunshine	1450	S	S	80	75
Peas, Gradus	1451	S	S	80	80
Peas, Nott's Excelsior	1452	S	S	80	80
ROBERT BUIST CO., Philadelphia, Pa.					
Johnson Grain Co., Nashua					
Pepper, California Wonder	1354	None	S	..	55
W. ATLEE BURPEE, Philadelphia, Pa.					
Glazier & Fox, Portsmouth					
Beans, Pole Horticultural	1436	S	S	80	75
Mabbett Home & Auto Supply, Rochester					
Beans, Stringless Black Valentine	1082	S	S	85	75
Beans, Kentucky Wonder Pole	1085	S	S	80	75
Corn, Burpee's Golden Bantam	1083	S	S	85	75
Corn, Golden Bantam	1084	S	S	85	75
Peas, Carter's Daisy or Dwarf Telephone	1086	S	S	85	80
Peas, Burpee's Blue Bantam	1087	S	75	85	80
N. H. Stores, Inc., Manchester					
Beans, Bush Tenderpod	1318	S	S	80	75
Beans, Burpee's Brittle Wax Bush	1320	S	71	80	75
Beet, Detroit Dark Red	1324	S	S	75	65
Cabbage, Pe Tsai	1325	S	S	80	75
Cauliflower, Imp. Super Snowball	1326	S	S	80	75
Kohlrabi, Early White Vienna	1327	S	S	80	75
Leek, Broad London	1328	S	S	70	60
Seavey's Hardware, Dover					
Beans, French Horticultural	1007	S	S	75	75
Corn, Golden Evergreen	1008	S	S	84	75
Peas, Alderman	1009	S	S	85	80

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			(Note)		
COMSTOCK, FERRE CO., Wethersfield, Conn.					
James B. Griffin, Newmarket					
Beans, Golden Wax	1006	S	76÷	85	75
Peas, Thomas Laxton	1004	S	S	88	80
Hammar Hardware, Nashua					
Beans, Kentucky Wonder Wax Pole	1405	S	S	90	75
Beans, Kentucky Wonder Green Pole	1406	S	S	90	75
Beans, Vt. Cranberry Shell	1407	S	S	85	75
Beans, Yellow Eye	1408	S	77÷	90	75
Beans, Tendergreen	1409	S	62	80	75
Corn, Golden Cross Hybrid	1410	S	S	89	75
Corn, Marcross, 13 x 6	1411	S	S	90	75
Spaulding & Sons, Nashua					
Beans, Dwarf Horticultural	1381	S	S	90	75
Corn, Whipple's Yellow	1382	S	S	88	75
Corn, Golden Sunshine	1383	S	S	90	75
Peas, Tall Telephone	1379	S	73	86	80
Peas, Nott's Excelsior	1380	S	S	82	80
EASTERN STATES FARMERS' EXCHANGE, Springfield, Mass.					
Eastern States Farmers' Exchange, Claremont					
Carrot, Chantenay Red Cored	1145	S	S	70	55
Rutabaga, Alberger	1143	S	S	80	75
Salsify, Mammoth Sandwich Island	1142	S	S	85	75
Spinach, Dark Green B'oomsdale	1141	S	63÷	80	60
Watermelon, N. H. Midget	1144	S	S	85	70
Eastern States Farmers' Exchange, Dover					
Asparagus, California 500	1010	S	65	90	70
Beet, Perfected Detroit	1011	S	S	80	65
Broccoli, Calabrese (Green Sprouting)	1012	S	S	85	75
Cabbage, Golden Acre	1013	S	S	82	75
Carrot, Danvers 126	1014	S	S	80	55
Cucumber, Straight 8	1015	S	S	80	80
Lettuce, Smooth Great Lakes	1016	S	S	95	80
Parsnip, Model	1017	S	S	60	60
Eastern States Farmers' Exchange, Manchester					
Beans, Long Tendergreen	1072	S	S	85	75
Beet, Perfected Detroit	1062	S	S	85	65
Corn, Iona (Yellow Hybrid)	1070	S	S	90	75
Corn, Golden Cross Bantam	1071	S	S	80	75
Lima Beans, Fordhook Bush	1069	S	S	85	70
Onion, Ebenezer	1063	S	S	90	70
Onion, Yellow Globe Danvers	1064	S	S	85	70
Onion, Early Yellow Globe	1065	S	S	90	70
Parsnip, Model	1066	S	S	60	60
Pumpkin, Conn. Field	1068	S	S	80	75
Radish, Early Scarlet Globe	1067	S	75÷	85	75
Swiss Chard, Fordhook Giant	1060	S	70÷	80	65
Tomato, Valiant	1061	S	S	85	75
FERRY-MORSE SEED CO., Detroit, Mich.					
Bartlett's, Pittsfield					
Beet, Detroit Dark Red	1198	S	S	80	65
Carrot, Red Cored Chantenay	1199	S	S	60	55
Cucumbers, Improved Long Green	1200	S	S	90	80
Radish, Early Scarlet Globe	1201	S	S	85	75
Turnip, Purple Top White Globe	1202	S	S	90	80
Keene Grain Co., Keene					
Beet, Early Blood Turnip	1565	S	S	75	65
Cabbage, Early Jersey Wakefield	1566	S	S	85	75
Endive, Full Heart Batavian	1567	S	S	75	70
Lettuce, Black Seeded Simpson	1568	S	S	90	80
Swiss Chard, Large Ribbed Dark Green	1569	S	S	75	65

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			Found	Guaranteed**	N. H. Standard
			(Note)		
FREDONIA SEED CO., Fredonia, N. Y.					
Mulligan & Currier, Manchester					
Beet, Early Blood Turnip	1329	S	S	65	65
Broccoli, Italian Green Sprouting	1330	S	S	75	75
Carrot, Chantenay	1331	S	S	55	55
Endive, Full Heart Batavian	1332	S	S	70	70
Lettuce, Grand Rapids	1333	S	73.5	80	80
CHAS. C. HART SEED CO., Wethersfield, Conn.					
J. Jones & Co., Alton					
Beans, King Horticultural	1222	S	S	85	75
Beans, French Horticultural Dwarf Shell	1223	S	S	85	75
Beans, Tendergreen	1224	S	59	85	75
Beans, Goddard	1225	S	S	85	75
Corn, Spancross Hybrid	1226	S	S	85	75
Red & White, Barnstead					
Broccoli, Italian Green Heading Calabrese	1206	S	S	75	75
Cucumber, Boston Pickling	1207	S	75.5	85	80
Lettuce, Iceberg	1208	S	72.5	80	80
Parsnip, Hollow Crown	1209	S	S	60	60
Swiss Chard, Dark Green	1210	S	S	65	65
Sunshine Feed Store, Keene					
Beans, Yellow Eye	1554	S	S	85	75
Beans, Vt. Cranberry	1555	S	S	85	75
Sunshine Feed Store, Manchester					
Beans, Pencil Pod Black Wax	1044	S	S	85	75
Beans, French Horticultural	1046	S	70	85	75
Carrot, Danvers ½ Long, Stump Root	1056	S	S	60	55
Corn, Priscilla, 2373	1036	S	S	85	75
Corn, Golden Cross Hybrid	1037	S	S	85	75
Corn, Lincoln	1038	S	S	85	75
Corn, Early Golden Bantam	1039	S	S	85	75
Onion, Yellow Globe Danvers	1057	S	37	70	70
Peas, World's Record	1040	S	S	85	80
Peas, Nott's Excelsior	1041	S	S	85	80
Peas, Freezonian	1042	S	S	..	80
Peas, Tall Telephone	1048	S	S	85	80
Radish, Early White Tipped Scarlet	1055	S	S	75	75
Rutabaga, Am. Purple Top Yellow	1054	S	S	75	75
Tomato, Rutgers	1053	S	S	75	75
BUDD D. HAWKINS, Reading, Vt.					
Hopkins & Barlow, Inc., Lakeport					
Beet, Early Blood Turnip	1472	S	S	65	65
Beet, New Eclipse Early Blood Turnip	1473	S	S	65	65
Beet, Early Wonder	1474	S	S	65	65
Cabbage, Glory of Enkhuizen	1475	S	S	75	75
Cabbage, New Golden Acre	1476	S	S	75	75
J. H. Kiniry, Claremont					
Beet, Crosby's Egyptian	1150	S	S	65	65
Lettuce, Imp. 44	1151	S	S	80	80
New Zealand Spinach	1154	S	S	40	40
Radish, Early Long Scarlet	1152	S	S	75	75
Salsify, Mammoth Sandwich Island	1153	S	56	75	75
Lakes Region Feed & Supply Co., Laconia					
Asparagus, Mary Washington	1521	S	S	70	70
Cabbage, Danish Ball Head	1523	S	S	75	75
Carrot, Imperator	1524	S	S	55	55
Leek, Large American Flag	1525	S	S	60	60
Tomato, Bonny Best	1522	S	S	75	75
McGrath General Store, Alton Bay					
Beet, Detroit Dark Red	1227	S	S	65	65
Cabbage, True Early Winningstadt	1228	S	59	75	75
Carrot, Danvers ½ long Orange	1229	S	S	55	55
Cucumber, Straight 8	1230	S	S	80	80
Parsnip, Imp. Hollow Crown	1232	S	S	60	60
Radish, Early Scarlet Turnip	1231	S	S	75	75
Squash, Buttercup	1233	S	S	75	75

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			(Note)		
Rand, Ball & King Co., Claremont					
Beans, Improved Golden Wax	1158	S	59	..	75
Beans, Pencil Pod Black Wax	1159	S	S	..	75
Corn, Black Mexican	1156	S	S	..	75
Corn, Golden Cross Bantam	1157	S	S	..	75
Peas, Nott's Excelsior	1155	S	61	..	80
Peas, Hundredfold	1160	S	S	..	80
Tarlson's General Store, The Weirs					
Cabbage, Budd's Genuine Surehead	1467	S	S	75	75
Cabbage, Copenhagen Market	1468	S	56.5	75	75
Cabbage, Early Jersey Wakefield	1469	S	65	75	75
Cabbage, Mammoth Red Rock	1470	S	57	75	75
Cabbage, Premium Large Late Flat Dutch	1471	S	S	75	75
D. LANDRETH SEED CO., Philadelphia, Pa.					
Johnson Grain Co., Nashua					
Beans, Yellow Podded Sure Crop Stringless Wax	1348	S	S	85	75
Beet, Detroit Dark Red	1349	None	S	70	65
Cabbage, Early Jersey Wakefield	1350	None	40.5	80	75
Carrot, Danvers Half Long	1351	None	S	70	55
Celery, Giant Pascal	1352	None	S	70	55
Corn, Marcross No. 409	1347	S	S	85	75
Cucumber, Jersey Pickle	1353	None	S	80	80
MANDEVILLE & KING CO., Rochester, N. Y.					
J. P. Pitman & Co., Laconia					
Carrot, Chantenay Long	1498	S	S	60	55
Cucumber, Boston Pickling	1499	S	S	85	80
Lettuce, Black Seeded Simpson	1497	S	S	85	80
Onion, Southport Yellow Globe	1495	S	S	77	70
Parsley, Moss Curled	1496	S	S	65	60
V. E. Trace, Pittsfield					
Beets, Detroit Dark Red	1190	S	S	70	65
Carrots, Danvers Half Long	1191	S	S	60	55
Lettuce, Iceberg	1192	S	S	84	80
Onion, Southport Yellow Globe	1193	S	S	77	70
MICHAEL-LEONARD CO., Chicago					
Eugene C. Foss Co., Rochester					
Beans, Brittle Wax	1077	S	S	85	75
Beans, Burpee's Stringless Green Pod	1078	S	S	85	75
Beans, Pencil Pod Black Wax	1079	S	S	85	75
Corn, Alpha Gold	1075	S	S	85	75
Corn, Golden Hummer Hybrid	1076	S	S	85	75
Peas, Nott's Excelsior	1080	S	S	85	80
Peas, Little Marvel	1081	S	S	85	80
NORTHRUP, KING & CO., Minneapolis, Minn.					
W. E. Aubuchon Co., Inc., Nashua					
Beets, Early Wonder	1389	S	73÷	82	65
Cabbage, Danish Ball Head, Short Stem	1390	S	S	..	75
Carrots, Chantenay	1391	S	S	..	55
Cauliflower, Early Snowball	1392	S	S	..	75
Cucumber, Imp. Long Green	1393	S	S	..	80
John Brooks, Farmington					
Cabbage, Early Jersey Wakefield	1234	S	S	..	75
Endive, Green Curled	1235	S	S	..	70
Lettuce, Grand Rapids	1236	S	S	..	80
Onion, White Bunching	1237	S	S	..	70
Parsnip, Imp. Hollow Crown	1238	S	S	..	60
Radish, Early Scarlet Globe	1239	S	S	..	75
Hopkins & Barlow, Inc., Lakeport					
Beet, Early Blood Turnip	1477	S	S	..	65
Beet, Early Wonder	1478	S	S	..	65
Beet, Extra Early Flat Egyptian	1479	S	S	..	65
Broccoli, Green Sprouting Calabrese	1480	S	S	..	75
Carrot, Chantenay	1481	S	S	..	55

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			(Note)		
A. H. McAllister, Center Barnstead					
Beet, Early Blood Turnip	1217	S	S	..	65
Broccoli, Green Sprouting Calabrese	1218	S	S	..	75
Carrot, Improved Danvers Half Long	1219	S	S	..	55
Cucumber, Chicago Pickling	1220	S	S	..	80
Endive, Full Heart Batavian, Escarolle	1221	S	S	..	70
Martin & Batchelder, Meredith					
Cabbage, Copenhagen Market	1418	S	S	..	75
Cabbage, Early Jersey Wakefield	1419	S	S	..	75
Cabbage, Danish Ball Head, Short Stem	1420	S	S	..	75
Carrot, Nantes or Coreless	1421	S	S	..	55
Carrot, Imp. Danvers Half Long	1422	S	S	..	55
PAGE SEED CO., Greene, N. Y.					
Farmers' Feed & Supply Co., Claremont					
Beets, Detroit Dark Red	1117	S	S	80	65
Beets, Early Blood	1118	S	S	75	65
Beets, Crosby's Egyptian	1119	S	S	70	65
Carrot, Danvers ½ Long	1120	S	S	75	55
Carrot, Chantenay	1121	S	S	60	55
Cauliflower, Page's Early Snowball	1122	S	S	80	75
Cucumber, Early Fortune	1123	S	S	85	80
Cucumber, Boston Pickling	1124	S	S	85	80
Cucumber, Davis Perfect	1125	S	S	85	80
Endive, Batavian Broad Leaved, Escarolle	1126	S	64	80	70
Farmer's Feed & Supply Co., Manchester					
Celeriac, Large Smooth Prague	1339	S	S	65	55
Lettuce, Early Prizehead	1340	S	S	85	80
Lettuce, Grand Rapids	1341	S	S	80	80
Onion, Yellow Globe Danvers	1342	S	S	80	70
Parsnip, Hollow Crown	1343	S	S	80	60
Nashua Grain Co., Nashua					
Egg Plant, N. Y. Improved Purple	1355	S	S	65	60
Lettuce, Big Boston	1356	S	S	80	80
Lettuce, Cos or Romaine	1357	S	S	85	80
Lettuce, Iceberg	1358	S	S	80	80
Muskmelon, Rocky Ford or Netted Gem	1359	S	55	85	75
F. M. Weeks & Sons, Meredith					
Beets, Dewing, Early Blood Turnip	1464	12/1947	S	..	65
Cabbage, Danish Ball Head	1457	S	S	85	75
Cabbage, Improved Savoy	1458	S	S	85	75
Cabbage, Premium Late Flat Dutch	1459	S	S	75	75
Cabbage, Mammoth Red Rock	1460	S	S	85	75
Carrot, Long Orange	1461	S	S	60	55
Corn, Golden Sunshine	1455	S	S	88	75
Peas, Little Marvel	1456	S	S	..	80
RALSTON-PURINA CO., St. Louis, Mo.					
Checkerboard Feed Store, Exeter					
Beet, Early Wonder	1018	S	S	70	65
Carrot, Danvers	1019	S	S	..	55
Cucumber, Cubit	1020	S	S	..	80
Pepper, Sweet Green, World Beater	1021	S	S	..	55
Spaulding & Sons, Nashua					
Beet, Crosby's Egyptian	1384	S	S	70	65
Carrot, Chantenay	1385	S	S	55	55
Cucumber, Chicago Pickling	1386	S	S	80	80
Endive, Broad Leaved Batavian, Escarolle	1387	S	S	70	70
JEROME B. RICE SEED CO., Cambridge, N. Y.					
Farmers' Grain Store, Ashland					
Beans, Pencil Pod Black Wax	1443	S	S	80	75
Beans, Burpee's Stringless Green Pod	1444	S	S	80	75

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			(Note)		
Farmington Flower Shop, Farmington					
Beets, Early Wonder	1243	S	S	70	65
Brussels Sprouts, Half Dwarf Imp.	1244	S	S	75	70
Cabbage, Danish Ball Head	1245	S	S	80	75
Carrot, Chantenay	1246	S	S	55	55
Cucumber, Straight Eight	1250	S	S	80	80
Onion, Large Red Wethersfield	1247	S	S	75	70
Radish, Rose China Winter	1248	S	S	80	75
Swiss Chard, Fordhook Giant	1249	S	S	65	65
Lake Sunapee Trading Co., Newbury					
Dandelion, Improved Thick Leaf	1259	S	S	70	45
Egg Plant, N. Y. Improved Purple	1260	S	S	65	60
Endive, Full Heart Batavian	1261	S	S	70	70
New Zealand Spinach	1262	S	S	45	40
Tomato, Bonny Best	1263	S	65	75	75
Martin & Batchelder, Meredith					
Brussels Sprouts, Half Dwarf Imp.	1413	S	S	80	70
Cabbage, Early Jersey Wakefield	1414	S	S	80	75
Cabbage, Early Flat Dutch	1415	S	S	80	75
Cabbage, Premium Late Flat Dutch	1416	S	S	80	75
Cabbage, Chinese or Celery, Chihli	1417	S	S	75	75
Newport Grain Co., Newport					
Cabbage, Mammoth Red Rock	1088	S	S	80	75
Lettuce, New York	1089	S	S	80	80
Radish, Long White Icicle	1090	S	S	80	75
Rutabaga, Imp. Am. Purple Top	1091	S	S	80	75
Turnip, Purple Top Strap Leaved	1092	S	S	80	80
V. E. Trace, Pittsfield					
Beets, Detroit Dark Red	1194	S	S	70	65
Carrot, Nantes	1195	S	S	55	55
Cucumber, Marketer	1196	S	S	80	80
Parsnip, Hollow Crowned, Large Sugar	1197	S	S	65	60
ROSS BROS. CO., Worcester, Mass. **Mulligan & Currier, Manchester**					
Beets, Crosby's Early Egyptian	1334	S	S	..	65
Cucumber, Early White Spine	1335	S	S	..	80
Endive, Broad Leaved Batavian	1336	S	S	..	70
Lettuce, May King	1337	S	S	..	80
Parsley, Champion Moss Curled	1338	S	S	..	60
F. M. Weeks & Sons, Meredith					
Beets, Crosby's Early Egyptian	1462	S	S	..	65
Beets, Detroit Dark Red	1463	S	S	..	65
Beets, Early Wonder	1465	S	S	..	65
Cabbage, Copenhagen Market	1466	S	S	..	75
SEARS, ROEBUCK & CO., Chicago, Ill. **Sears, Roebuck & Co., Nashua**					
Beets, Detroit Dark Red	1395	S	S	70	65
Broccoli, Italian Green Sprouting	1396	S	S	75	75
Cabbage, Drumhead Savoy	1397	S	S	80	75
Carrot, Chantenay	1398	S	S	55	55
Cucumber, Chicago Pickling	1399	S	S	80	80
Egg Plant, Black Beauty	1400	S	S	65	60
Lettuce, Black Seeded Simpson	1401	S	S	85	80
Parsnip, Hollow Crown	1402	S	S	65	60
Pepper, Hot, Anaheim Chili	1404	S	S	65	55
Radish, White Icicle	1403	S	S	80	75
JOHN B. VARICK CO., Manchester **Hayward's General Store, Barnstead**					
Peas, Improved Telephone	1205	S	S	93	80
H. S. Kelley, Chichester					
Corn, Golden Sunshine	1189	S	S	90	75
Peas, Gradus	1187	S	S	93	80
Peas, World's Record	1188	S	73	90	80

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			(Note)		
A. H. McAllister, Center Barnstead					
Corn, Golden Bantam	1211	S	S	88	75
Peas, Thomas Laxton	1212	S	S	88	80
Peas, Sutton's Excelsior	1213	S	S	81	80
Peas, Nott's Excelsior	1214	S	77	82	80
Peas, American Wonder	1215	S	78	82	80
Veilleux Hardware, Claremont					
Beans, Pencil Pod Black Wax	1264	S	S	89	75
Beans, Kentucky Wonder Wax	1265	S	S	84	75
Peas, Little Marvel	1266	S	S	82	80
Peas, Dwarf Telephone	1267	S	63	80	80
VAUGHAN'S SEED CO., New York, N. Y.					
Wirthmore Grain Co., Nashua					
Beans, Cherokee Wax	1373	1949	S	85	75
Beans, Pencil Pod Black Wax	1374	1949	82÷	90	75
Corn, Golden Bantam	1376	1949	S	90	75
F. H. WOODRUFF & SONS, Milford, Conn.					
W. E. Aubuchon Co., Inc., Nashua					
Beans, Imp. Golden Wax	1394	S	69	82	75
Checkerboard Feed Store, Claremont					
Beans, Top Notch Golden Wax	1137	S	67	80	75
Beans, Tendergreen	1140	S	S	80	75
Corn, Golden Early Market	1188	S	S	85	75
Corn, Marcross Hybrid	1139	S	S	90	75
General Mills, Inc., Exeter					
Beans, Low's Champion Shell	1001	S	S	80	75
Corn, Spancross Hybrid	1003	S	S	90	75
Peas, Dwarf Telephone	1002	S	62	82	80
Palmer Hardware, Farmington					
Beans, Burpee's Stringless Green Pod	1251	S	S	85	75
Beans, Yellow Eye Imp.	1252	S	S	83	75
Beans, Pencil Pod Black Wax	1253	S	S	80	75
Beans, Horticultural	1254	S	S	80	75
Corn, Golden Bantam	1255	S	S	90	75
Corn, Golden Cross Bantam	1256	S	S	90	75
Peas, Thomas Laxton	1257	S	S	90	80
Peas, Telephone Improved	1258	S	80÷	88	80
Silsby & Johnson, Inc., Newport					
Parsnip, Hollow Crown	1104	S	S	86	60
Peas, World's Record	1105	S	76	85	80
Peas, Nott's Excelsior	1106	S	S	90	80
S. D. WOODRUFF & SONS, INC., Orange, Conn.					
Checkerboard Feed Store, Claremont					
Beets, Crosby's Egyptian	1127	S	S	70	65
Broccoli, De Rappa	1128	S	S	80	75
Brussels Sprouts, Long Island Imp.	1129	S	S	75	70
Cabbage, Drumhead Savoy	1130	S	S	80	75
Cardone, Large Smooth	1131	S	S	70	70
Carrot, Chantenay, Red Cored	1132	S	S	70	55
Celery, Giant Pascal	1133	S	S	60	55
Collards, Georgia	1134	S	73	80	80
Cucumber, Imp. Long Green	1135	S	S	80	80
Egg Plant, Black Beauty	1136	S	S	60	60

In the case of the following samples of vegetable seeds, either the wholesaler is unknown or it is presumed that the seed was carried over by the dealer from the previous season; hence, the name of the wholesaler is omitted.

G. B. Currier Co., West Stewartstown					
Beans, Kentucky Wonder	1617	12/1946	81÷	90	75
Rutabaga, Am. Purple Top	1616	12/1946	S	88	75
Farmers' Feed & Supply Co., Colebrook					
Beans, Kentucky Wonder	1608	8/1948	S	90	75

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			(Note)		
Farmer's Feed & Supply Co., Manchester					
Corn, Golden Bantam, 8-rowed	1344	None	S	..	75
Corn, Marcross	1345	None	S	..	75
Corn, Spancross	1346	None	S	..	75
Farmington Flower Shop, Farmington					
Peas, Sutton's Excelsior	1240	None	S	..	80
Peas, Thomas Laxton	1241	None	71	..	80
Peas, Laxton's Progress	1242	None	75	..	80
General Mills, Inc., Exeter					
Beans, Pole King's Horticultural	1000	S	69†	63	75
Peas, Laxton's Progress	1005	S	S	80	80
General Mills, Inc., Nashua					
Corn, Golden Sunshine	1362	None	S	..	75
Corn, Evergreen Hybrid	1363	None	S	..	75
Peas, Sutton's Excelsior	1360	None	S	..	80
Peas, Laxton's Progress	1361	None	S	..	80
Glazier & Fox, Portsmouth					
Beans, Bountiful Bush	1437	None	S	..	75
A. H. McAllister, Center Barnstead					
Peas, Tall Telephone	1216	12/1947	60	81	80
Moulton & Goodwin, Portsmouth					
Peas, Thomas Laxton, 79128	1529	9/1947	S	90	80
N. H. Stores, Inc., Manchester					
Beans, Shell Dwarf Horticultural	1319	None	S	..	75
Beans, Burpee's Sure Crop Black Wax	1321	None	63	..	75
Beans, Burpee's Stringless Green Pod	1322	None	S	..	75
Corn, The Burpee	1323	None	S	..	75

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